

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021820\
 Data File : BG044473.D
 Acq On : 18 Feb 2020 15:23
 Operator : CG/JU
 Sample : L1545-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 43ST-B

Manual Integrations
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Quant Time: Feb 18 16:11:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 18 14:58:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	66072	20.00	ng	0.00
21) Naphthalene-d8	10.69	136	272324	20.00	ng	0.00
39) Acenaphthene-d10	14.53	164	186097	20.00	ng	0.00
64) Phenanthrene-d10	17.28	188	424036	20.00	ng	0.00
76) Chrysene-d12	21.52	240	397064	20.00	ng	0.00
87) Perylene-d12	24.60	264	426762	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	426621	113.95	ng	0.00
7) Phenol-d6	7.07	99	568039	112.99	ng	0.00
23) Nitrobenzene-d5	9.05	82	333501	69.14	ng	0.00
42) 2,4,6-Tribromophenol	16.02	330	241982	110.76	ng	0.00
45) 2-Fluorobiphenyl	13.15	172	762827	68.64	ng	0.00
79) Terphenyl-d14	19.89	244	1211705	62.77	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.98	163	45987	3.438	ng	98
71) Phenanthrene	17.32	178	103486	5.040	ng	96
75) Fluoranthene	19.33	202	269920	11.364	ng	97
78) Pyrene	19.69	202	285415	11.193	ng	94
81) Benzo(a)anthracene	21.50	228	151659	6.197	ng	95
83) Chrysene	21.56	228	144270	6.099	ng	98
86) Indeno(1,2,3-cd)pyrene	28.08	276	119118	3.860	ng	94
88) Benzo(b)fluoranthene	23.63	252	234069	9.518	ng	99
89) Benzo(k)fluoranthene	23.69	252	69083m	2.882	ng	
90) Benzo(a)pyrene	24.46	252	167773	7.216	ng	95
92) Benzo(g,h,i)perylene	29.17	276	118387	5.139	ng	# 93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

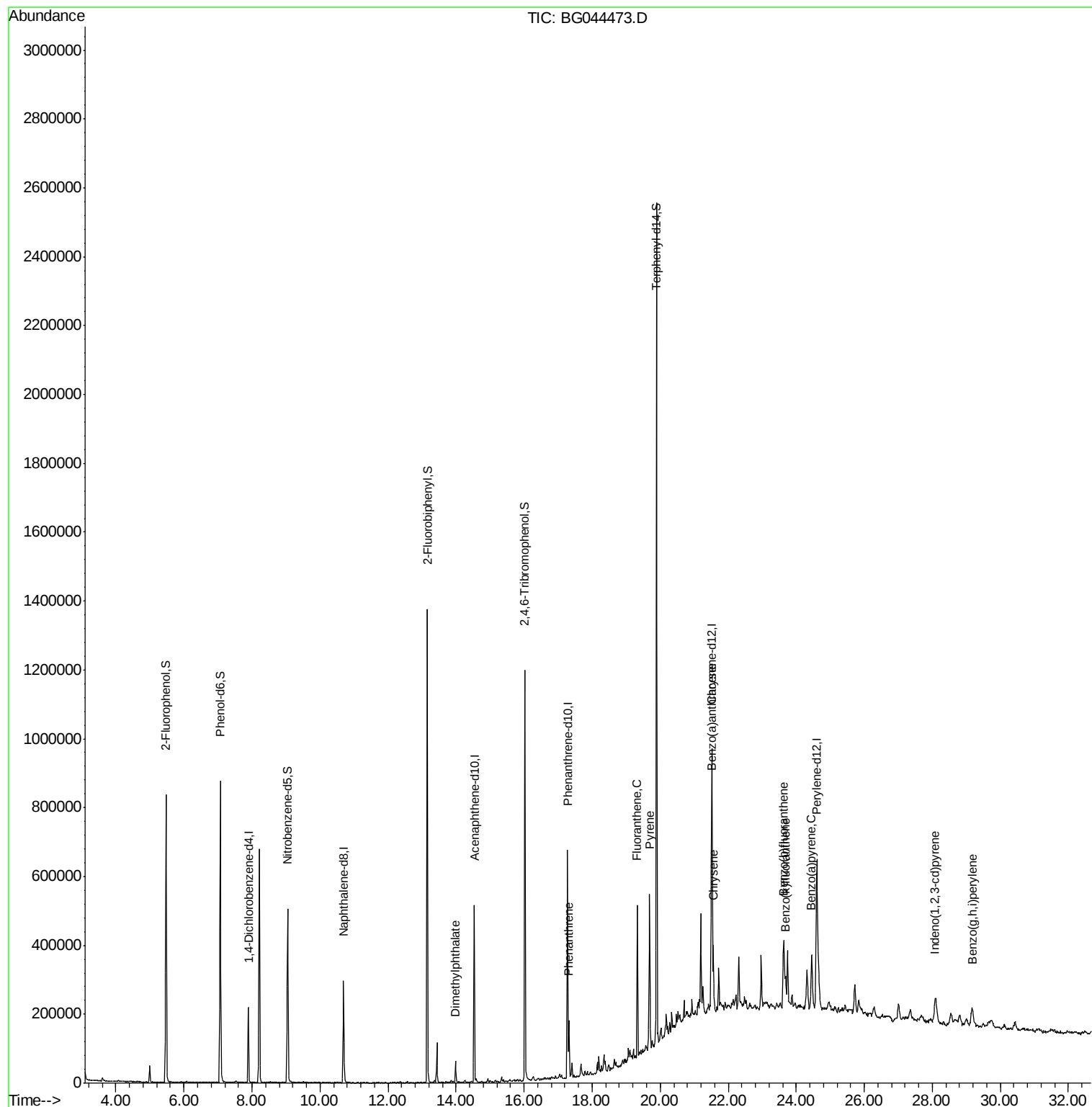
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021820\
Data File : BG044473.D
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Operator : CG/JU
Sample : L1545-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

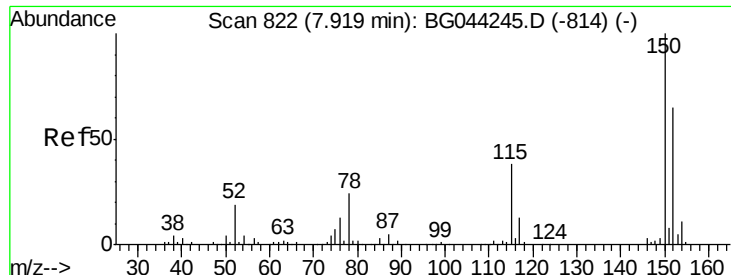
Instrument :
BNA_G
ClientSampleId :
43ST-B

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 18 14:58:50 2020
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#1

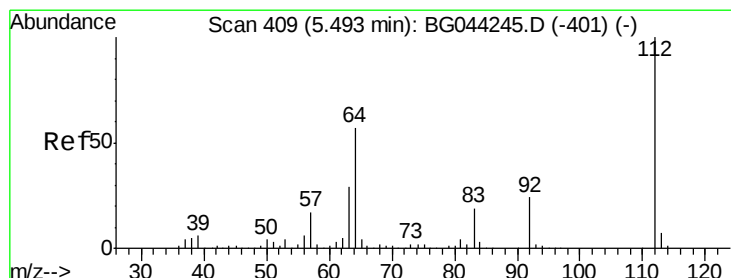
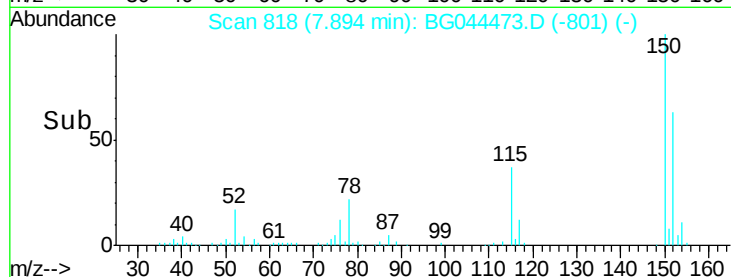
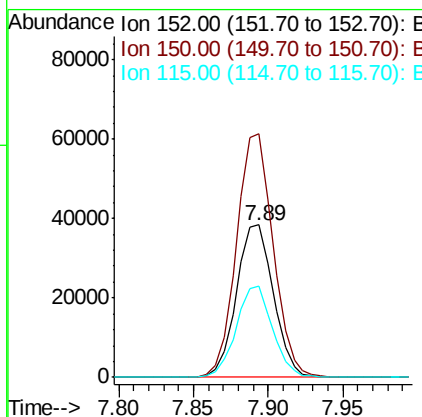
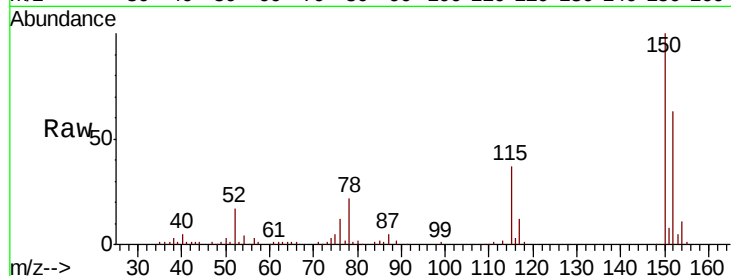
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 818
Delta R.T. -0.00 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Instrument :
BNA_G
ClientSampleId :
43ST-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	122.6	183.8
115	59.8	46.0	69.0

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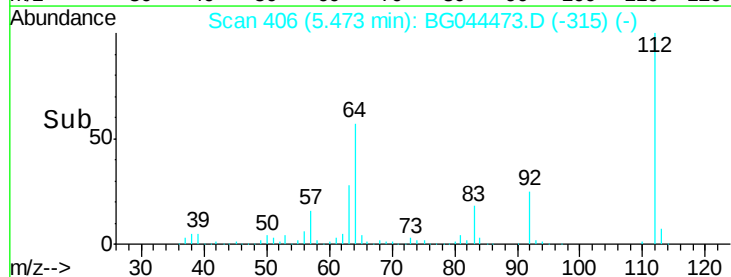
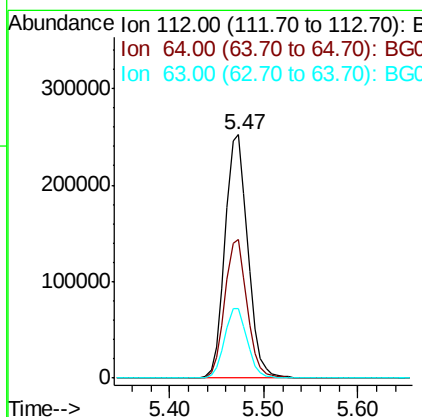
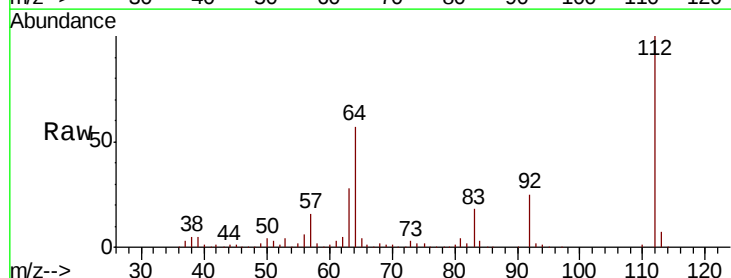
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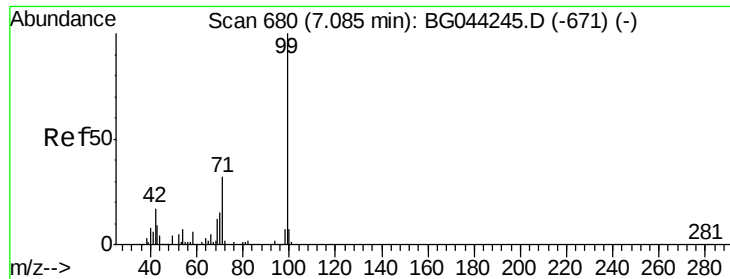


#5

2-Fluorophenol
Concen: 113.954 ng
RT: 5.47 min Scan# 406
Delta R.T. 0.01 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	45.4	68.2
63	28.3	22.9	34.3





#7

Phenol-d6

Concen: 112.990 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.00 min

Lab File: BG044473.D

Acq: 18 Feb 2020 15:23

Instrument :

BNA_G

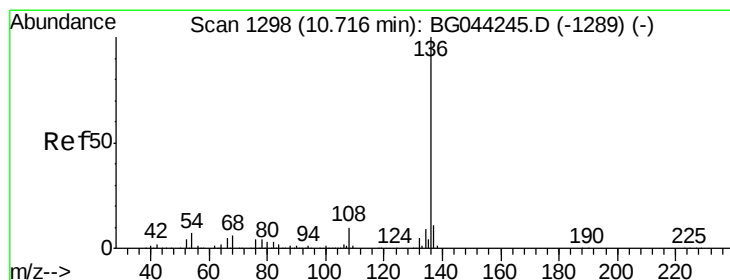
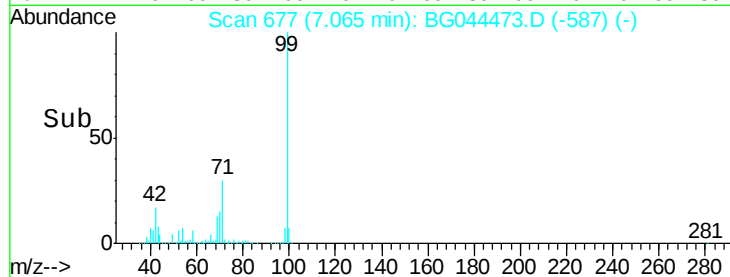
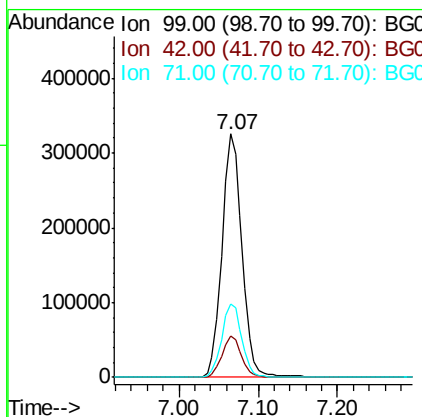
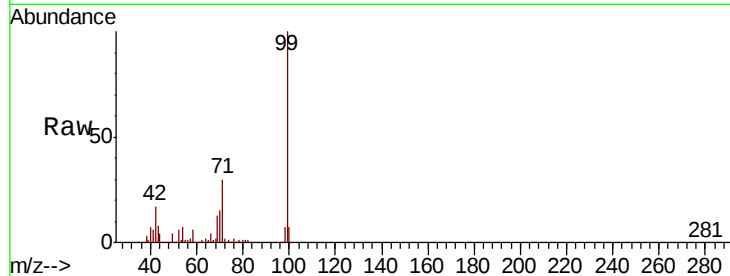
ClientSampleId :

43ST-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		568039		
42	16.9	13.8	20.6		
71	30.3	25.5	38.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

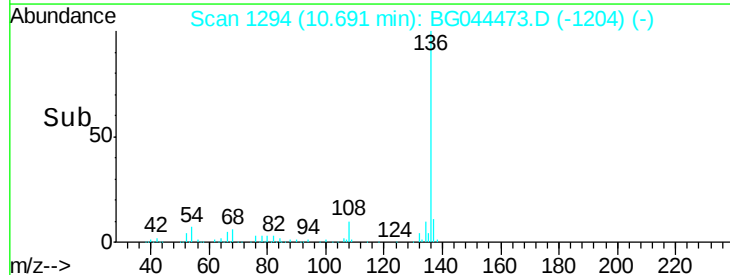
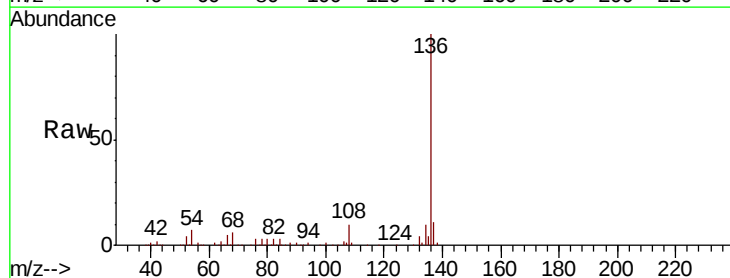
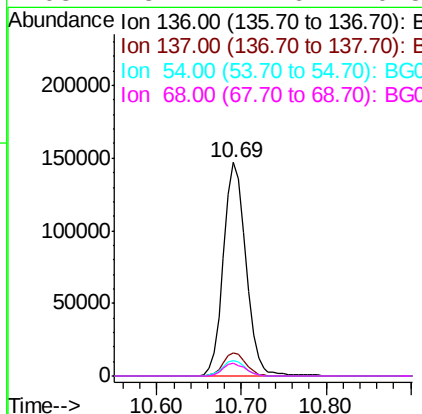
RT: 10.69 min Scan# 1294

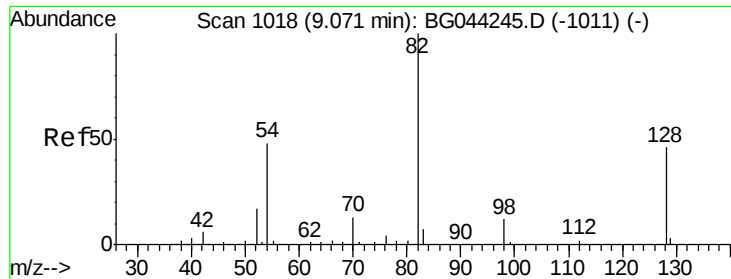
Delta R.T. -0.00 min

Lab File: BG044473.D

Acq: 18 Feb 2020 15:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		272324		
137	10.7	8.8	13.2		
54	7.4	5.8	8.8		
68	5.7	4.6	6.8		





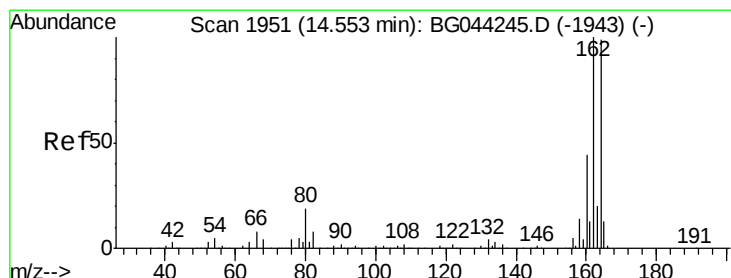
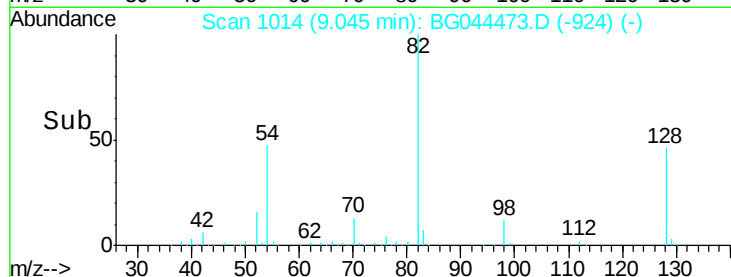
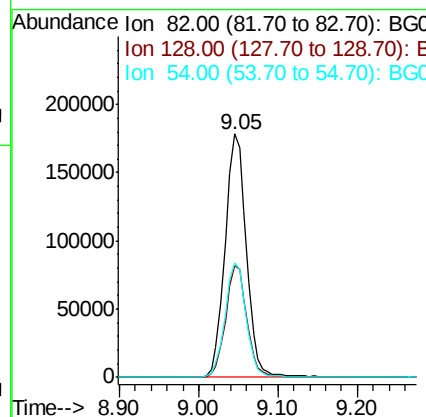
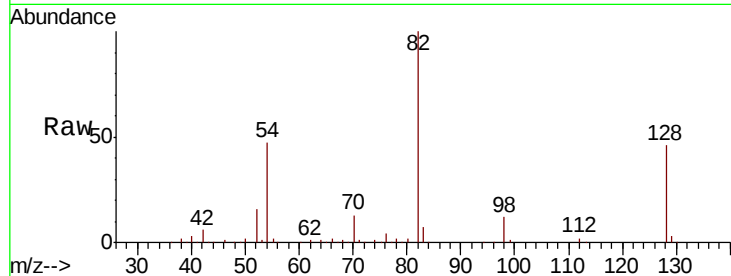
#23
Nitrobenzene-d5
Concen: 69.139 ng
RT: 9.05 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Instrument :
BNA_G
ClientSampled :
43ST-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.9	36.5	54.7	
54	46.8	38.6	58.0	

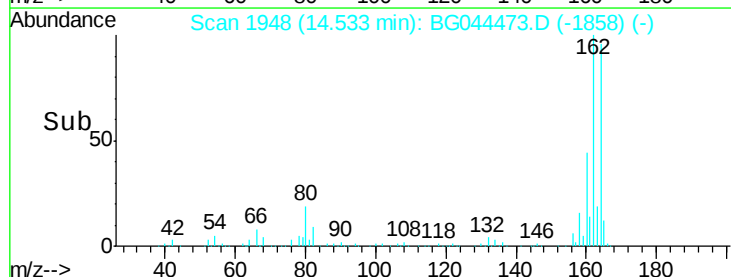
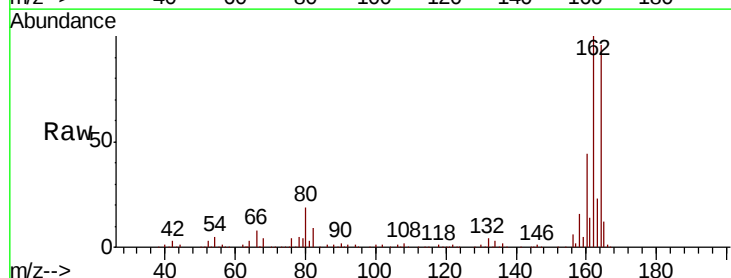
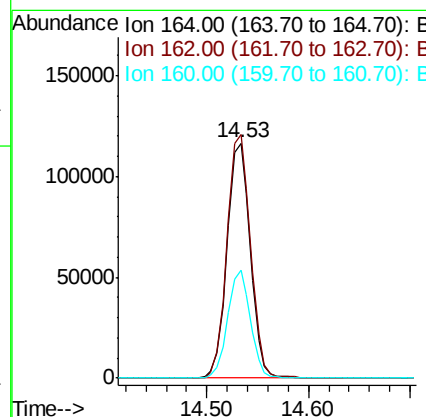
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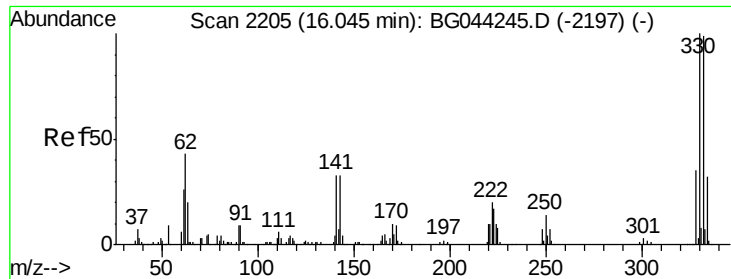
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.53 min Scan# 1948
Delta R.T. -0.00 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.7	80.7	121.1	
160	45.8	35.3	52.9	





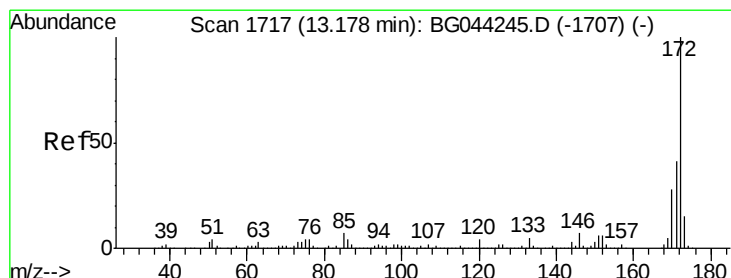
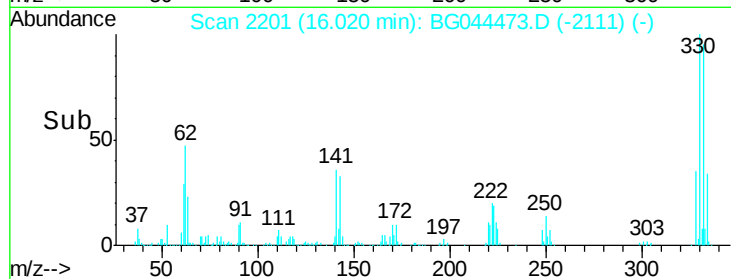
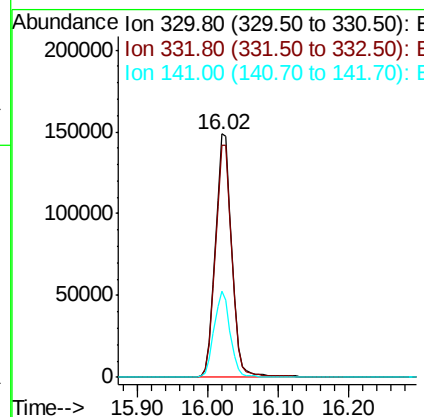
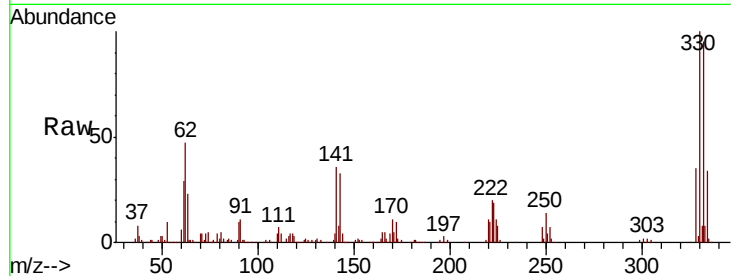
#42
 2,4,6-Tribromophenol
 Concen: 110.764 ng
 RT: 16.02 min Scan# 2201
 Delta R.T. -0.00 min
 Lab File: BG044473.D
 Acq: 18 Feb 2020 15:23

Instrument :
 BNA_G
 ClientSampleId :
 43ST-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	241982		
332	95.7	77.2	115.8	
141	34.9	28.3	42.5	

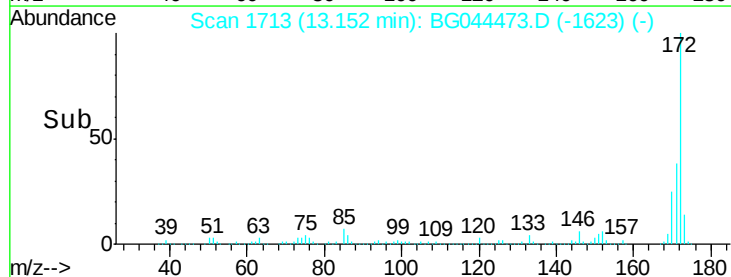
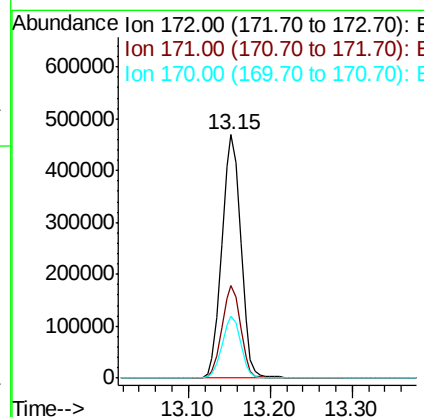
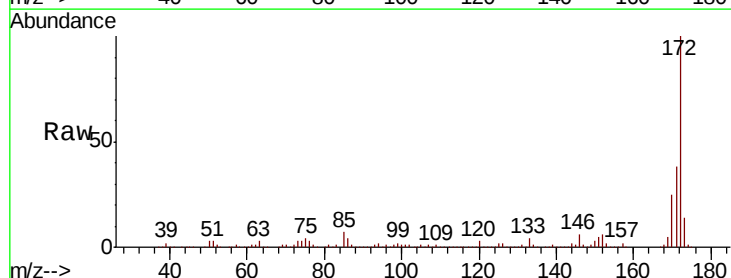
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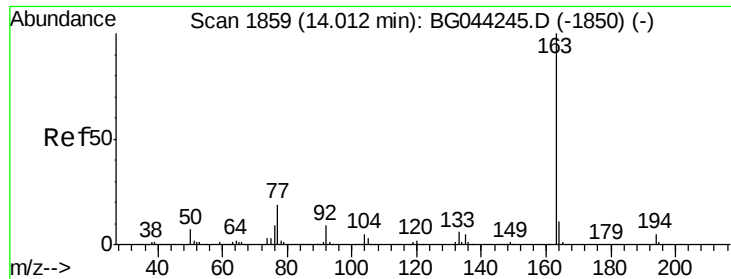
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#45
 2-Fluorobiphenyl
 Concen: 68.641 ng
 RT: 13.15 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: BG044473.D
 Acq: 18 Feb 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	762827		
171	37.9	32.9	49.3	
170	25.2	22.0	33.0	





#50

Dimethylphthalate

Concen: 3.438 ng

RT: 13.98 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BG044473.D

Acq: 18 Feb 2020 15:23

Instrument :

BNA_G

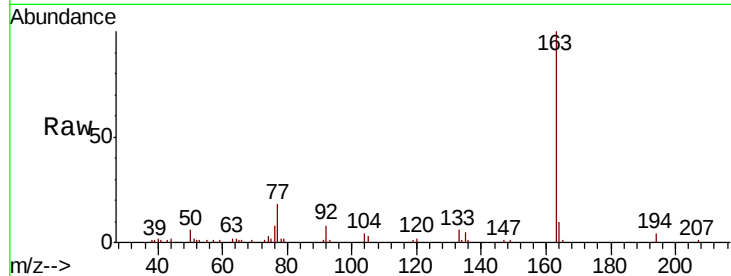
ClientSampleId :

43ST-B

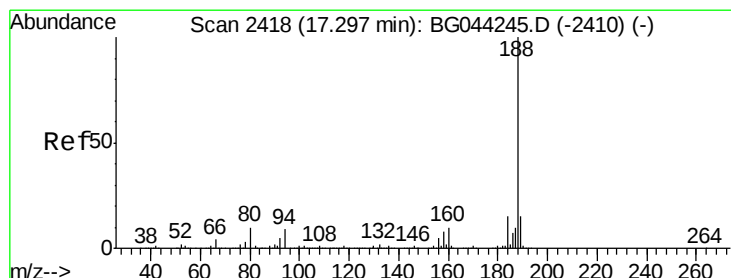
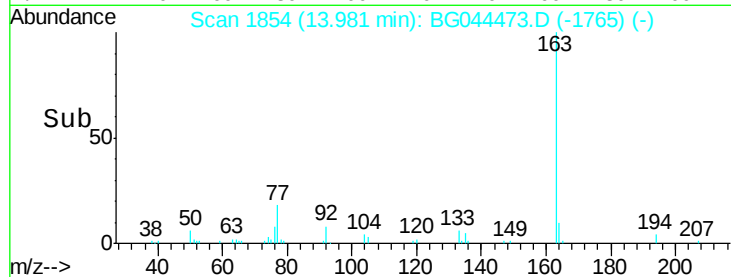
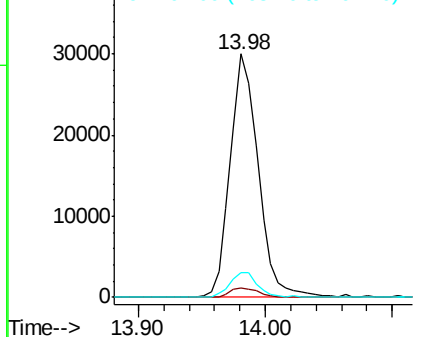
Tot Ion:	163	Resp:	45987
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.6	5.4
164	10.3	8.7	13.1

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.28 min Scan# 2415

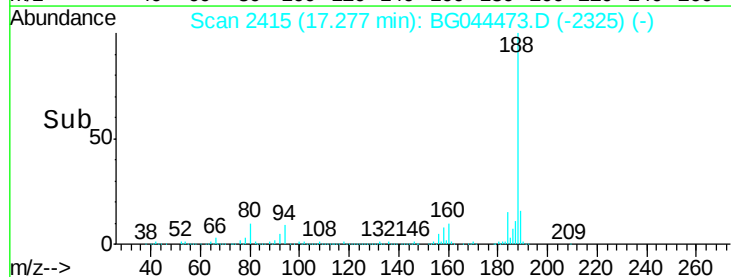
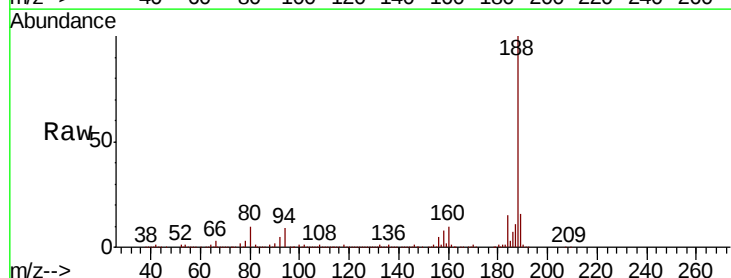
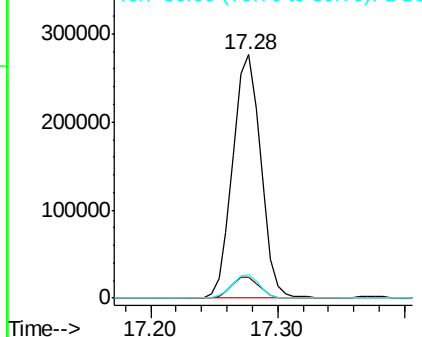
Delta R.T. -0.00 min

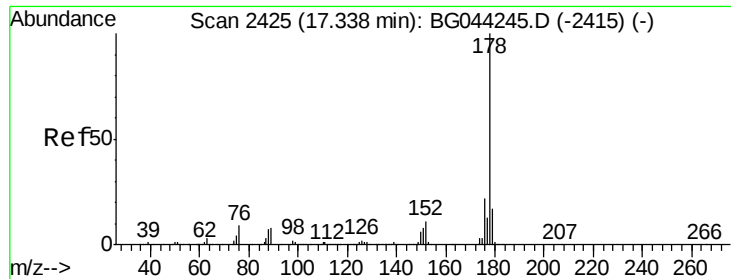
Lab File: BG044473.D

Acq: 18 Feb 2020 15:23

Tgt Ion:	188	Resp:	424036
Ion Ratio	Lower	Upper	
188	100		
94	8.6	7.4	11.2
80	9.7	7.7	11.5

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





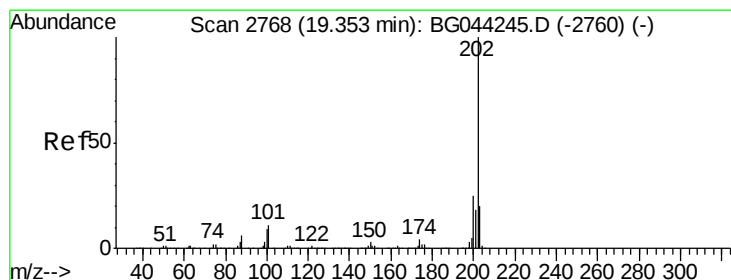
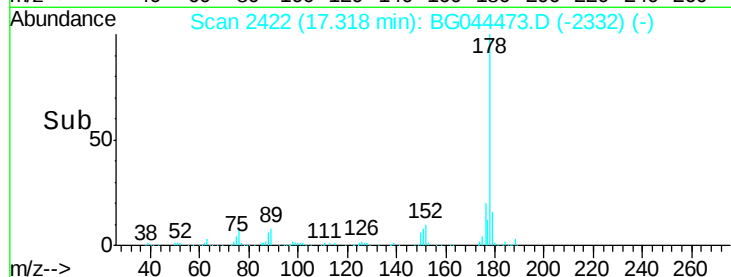
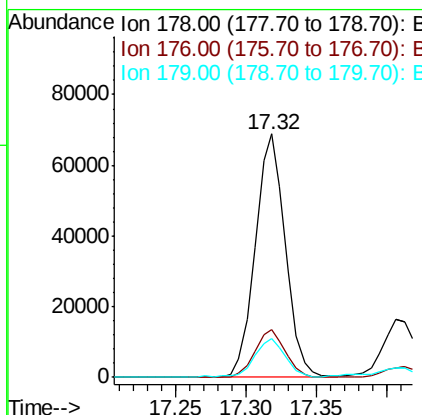
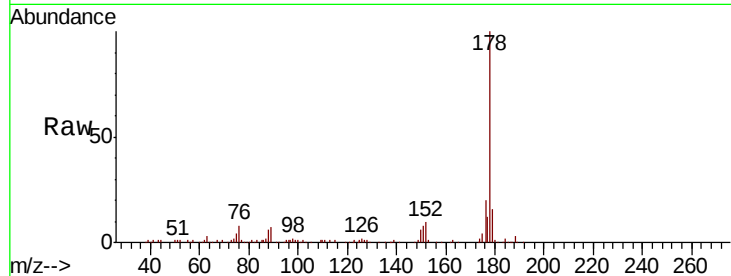
#71
Phenanthrene
Concen: 5.040 ng
RT: 17.32 min Scan# 2422
Delta R.T. -0.00 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Instrument :
BNA_G
ClientSampleId :
43ST-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	17.7	26.5
179	15.8	13.7	20.5

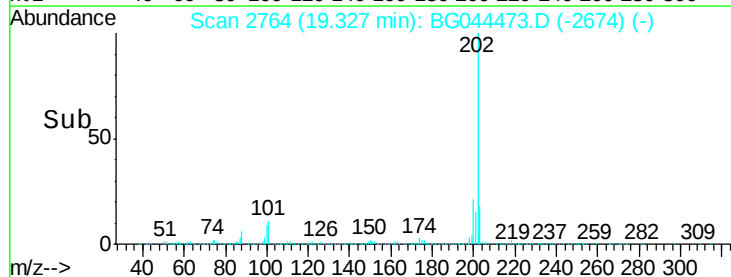
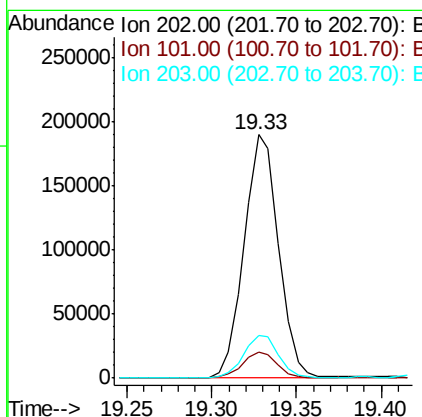
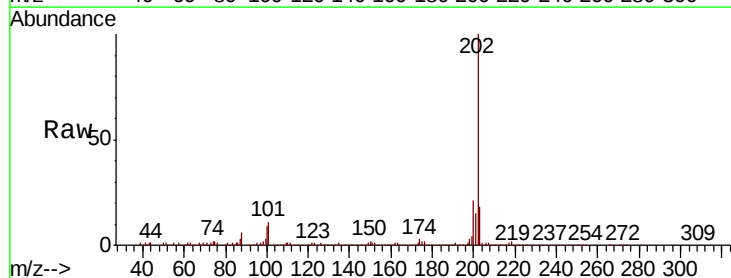
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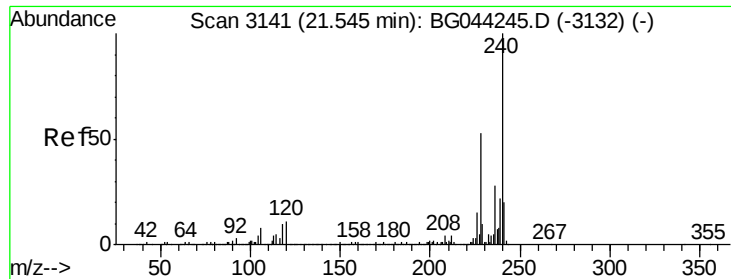
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#75
Fluoranthene
Concen: 11.364 ng
RT: 19.33 min Scan# 2764
Delta R.T. -0.00 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.3
203	17.8	0.0	39.9





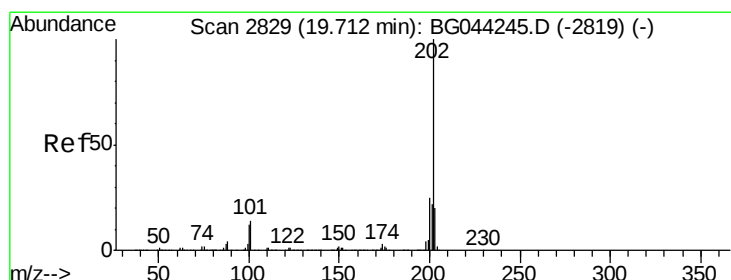
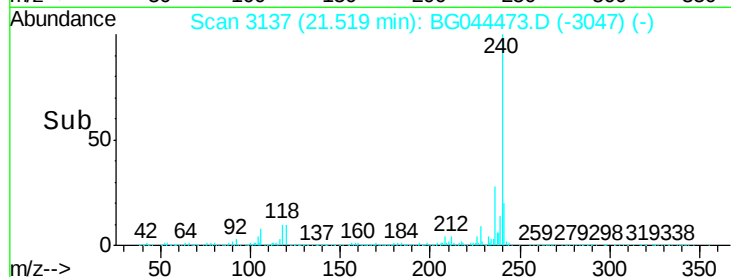
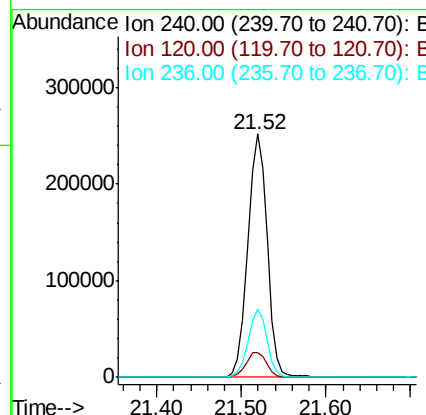
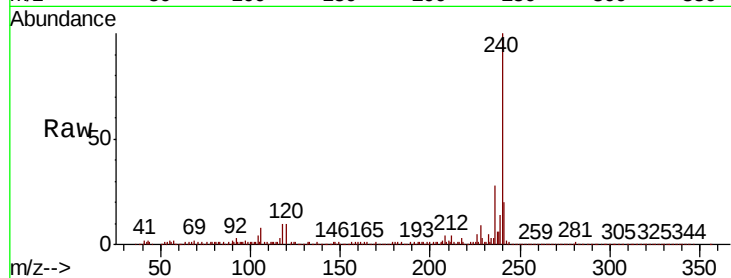
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.52 min Scan# 3137
Delta R.T. -0.00 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Instrument :
BNA_G
ClientSampleId :
43ST-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.4	12.6
236	28.1	22.1	33.1

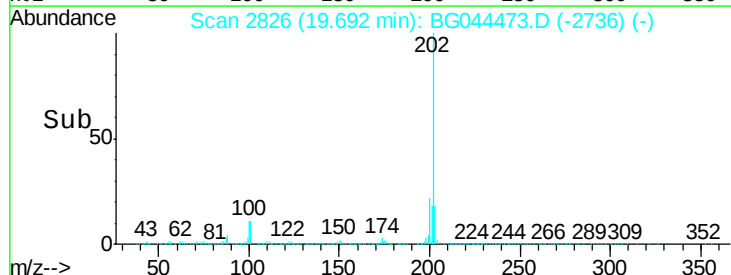
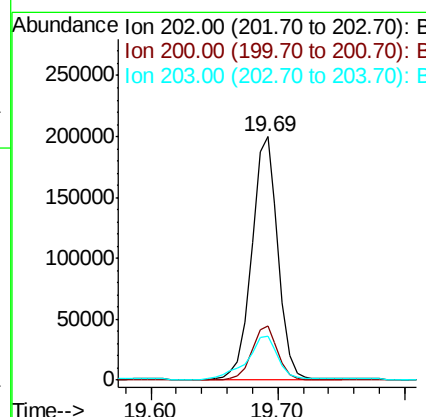
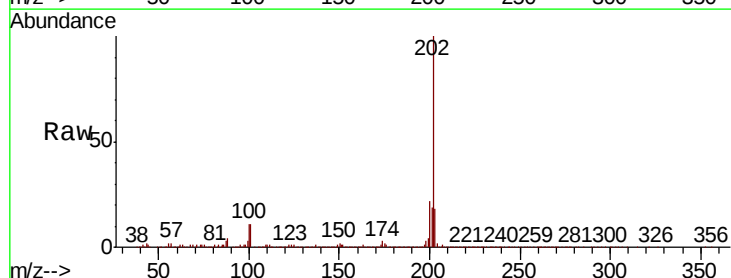
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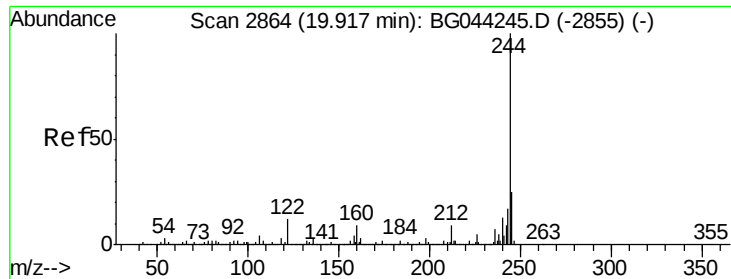
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#78
Pyrene
Concen: 11.193 ng
RT: 19.69 min Scan# 2826
Delta R.T. -0.00 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	20.0	30.0
203	17.8	16.2	24.2





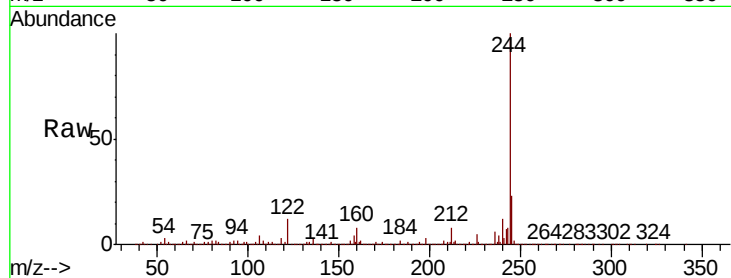
#79
 Terphenyl-d14
 Concen: 62.769 ng
 RT: 19.89 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: BG044473.D
 Acq: 18 Feb 2020 15:23

Instrument :
 BNA_G
 ClientSampled :
 43ST-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.4	11.2
122	11.7	9.8	14.6

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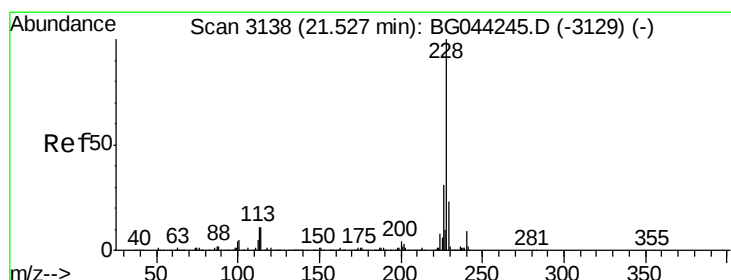
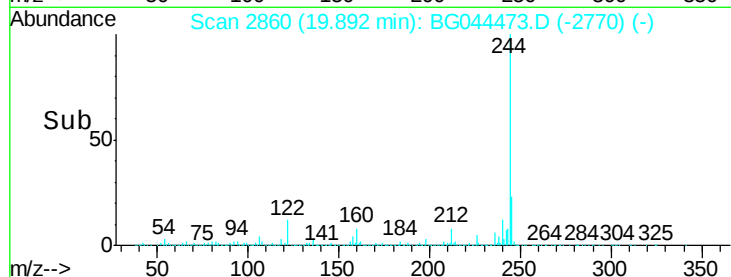
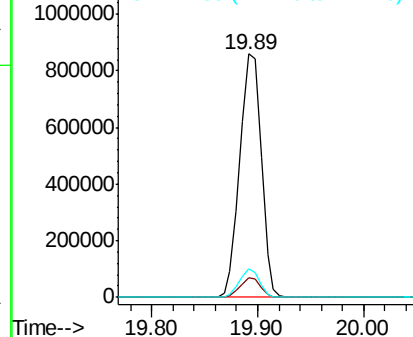


Abundance

Ion 244.00 (243.70 to 244.70): E

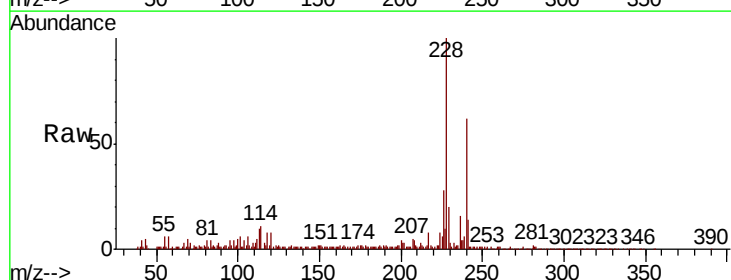
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81
 Benzo(a)anthracene
 Concen: 6.197 ng
 RT: 21.50 min Scan# 3134
 Delta R.T. -0.00 min
 Lab File: BG044473.D
 Acq: 18 Feb 2020 15:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	24.7	37.1
229	20.0	18.2	27.4

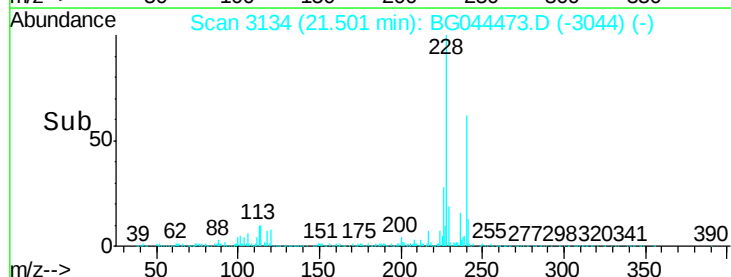
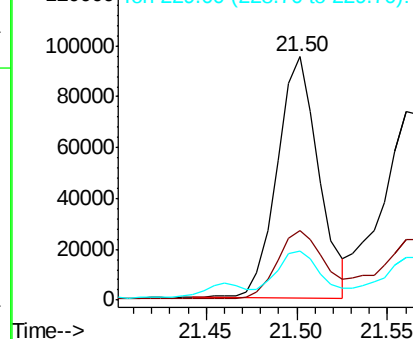


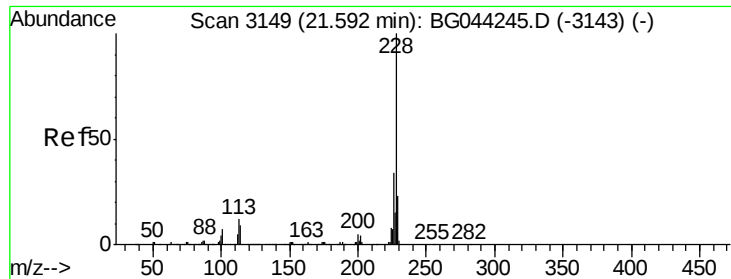
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





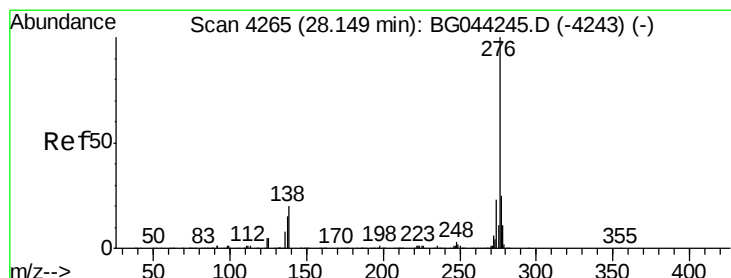
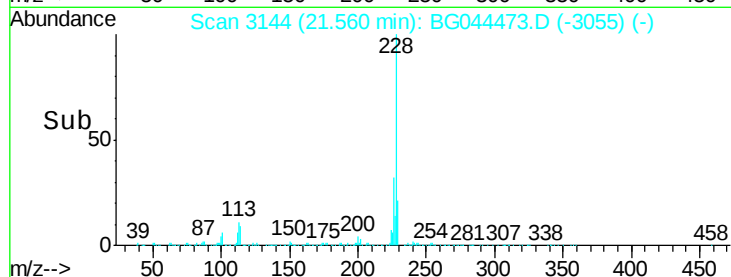
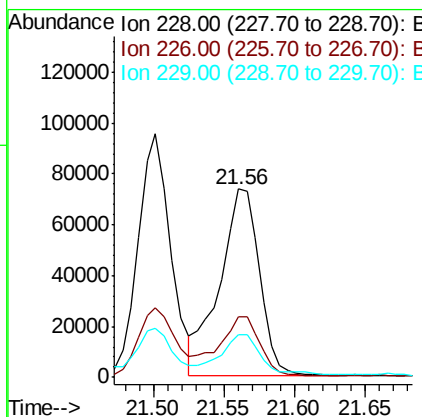
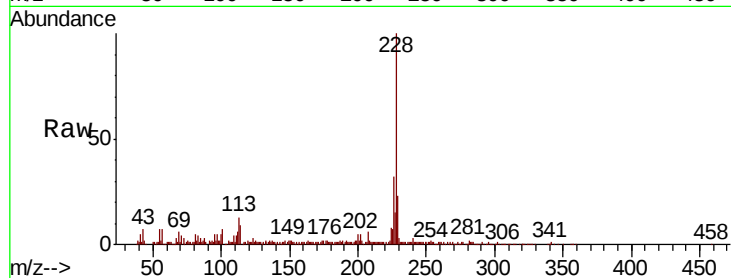
#83
Chrysene
Concen: 6.099 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Instrument :
BNA_G
ClientSampleId :
43ST-B

Tot Ion:	228	Resp:	144270
Ion Ratio	Lower	Upper	
228	100		
226	32.5	27.1	40.7
229	22.8	17.9	26.9

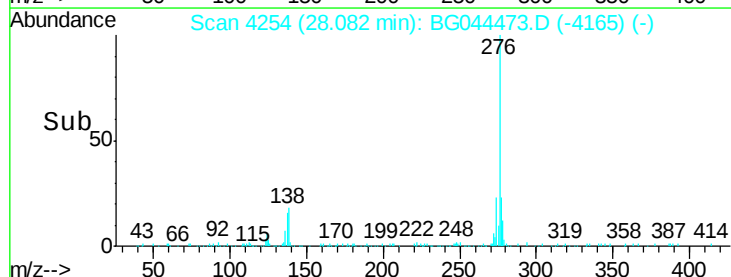
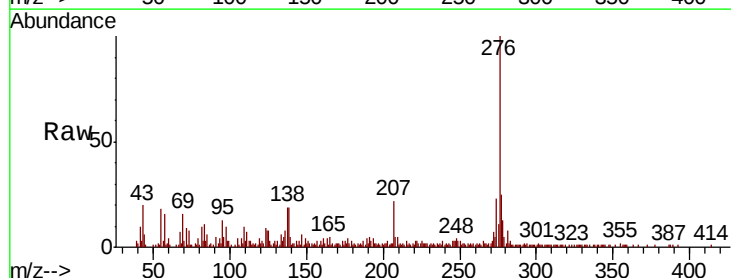
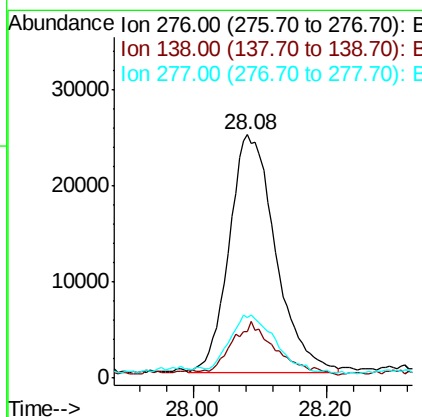
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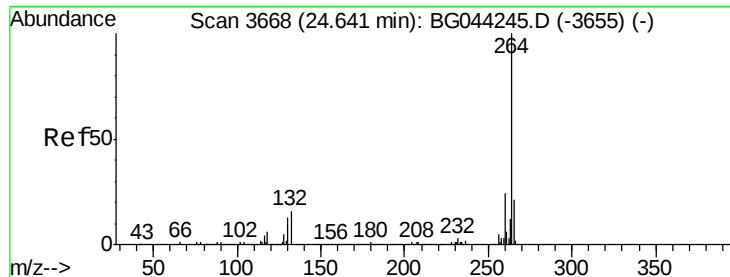
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.860 ng
RT: 28.08 min Scan# 4254
Delta R.T. -0.01 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Tgt Ion:	276	Resp:	119118
Ion Ratio	Lower	Upper	
276	100		
138	21.1	19.4	29.0
277	23.0	21.0	31.6





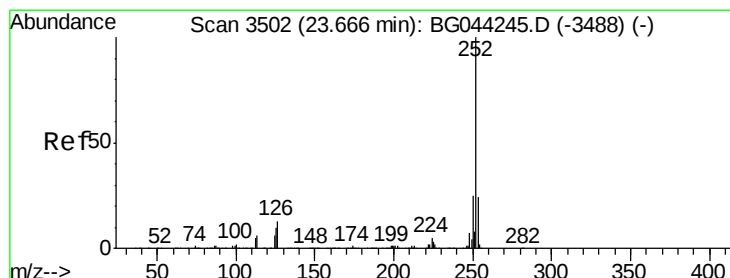
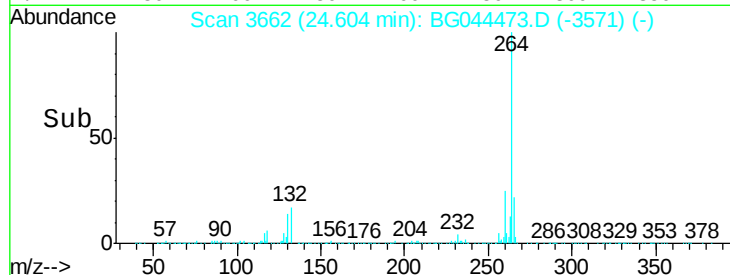
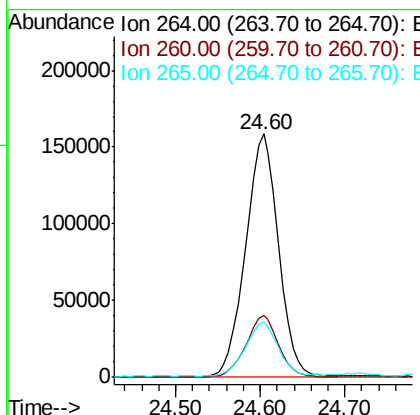
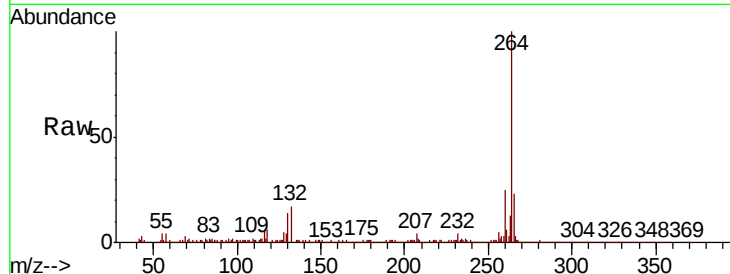
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.60 min Scan# 3662
Delta R.T. 0.01 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Instrument :
BNA_G
ClientSampleId :
43ST-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.4	29.2
265	22.8	16.7	25.1

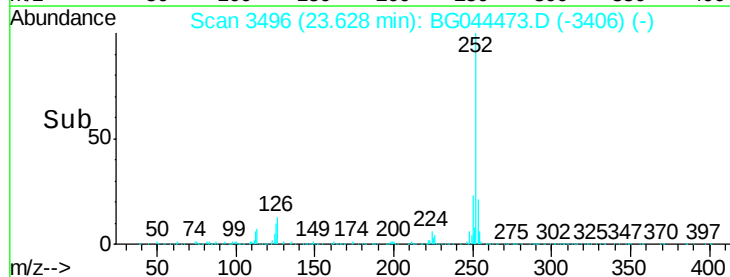
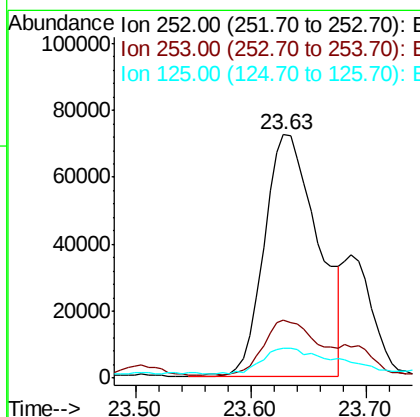
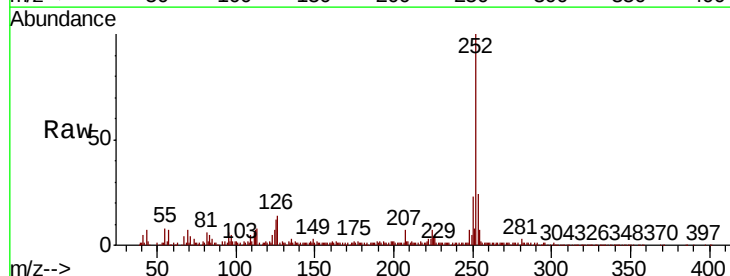
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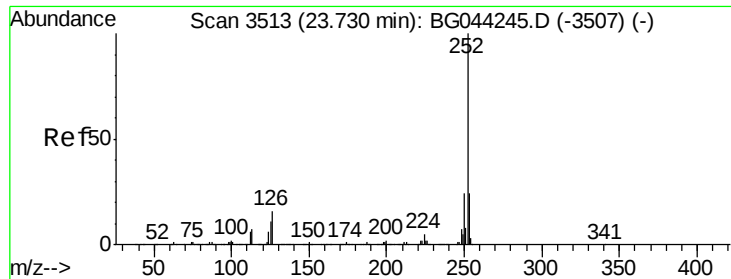
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#88
Benzo(b)fluoranthene
Concen: 9.518 ng
RT: 23.63 min Scan# 3496
Delta R.T. -0.00 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.2	28.8
125	12.1	8.4	12.6





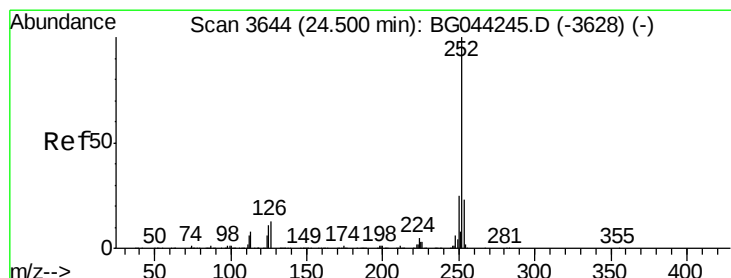
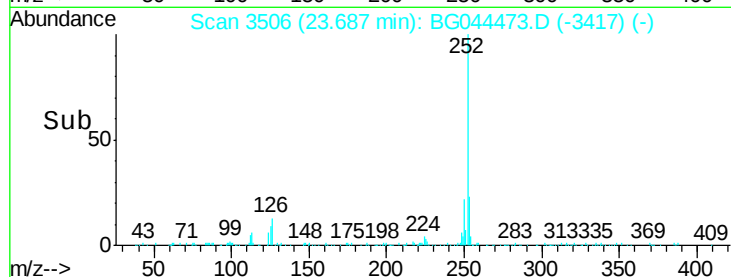
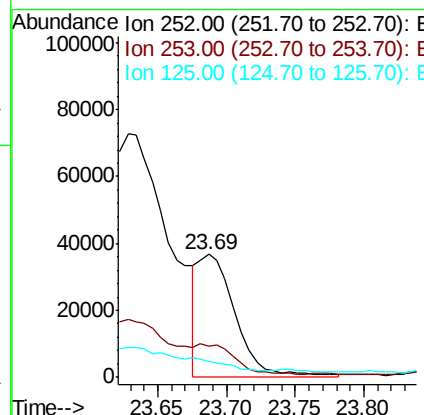
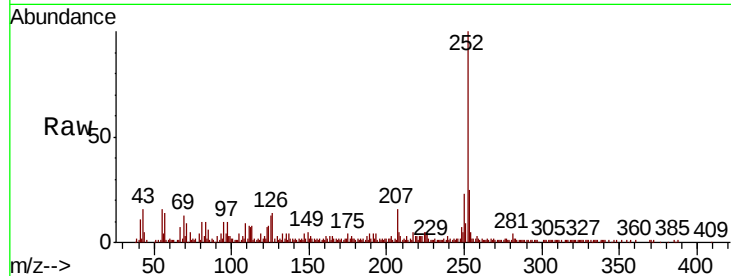
#89
Benzo(k)fluoranthene
Concen: 2.882 ng m
RT: 23.69 min Scan# 3506
Delta R.T. -0.01 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Instrument :
BNA_G
ClientSampled :
43ST-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	19.1	28.7
125	12.5	8.6	12.8

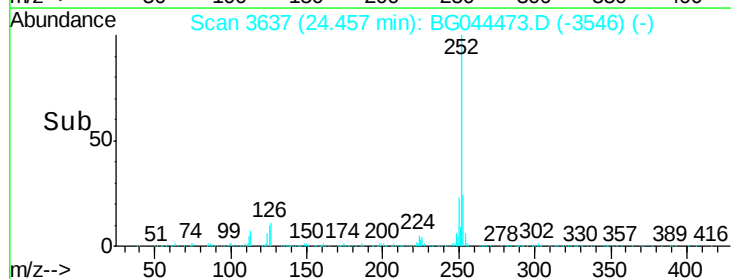
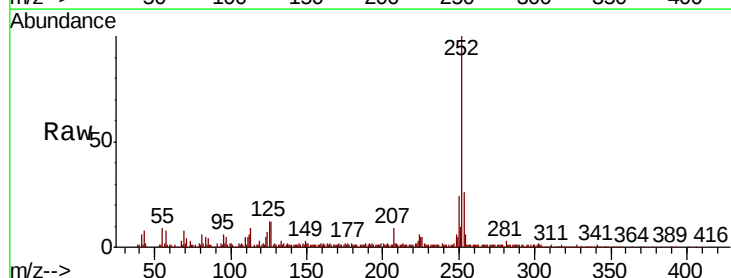
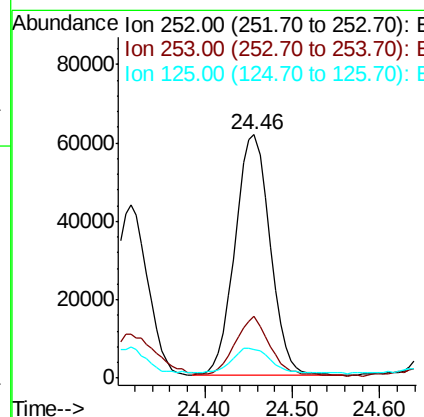
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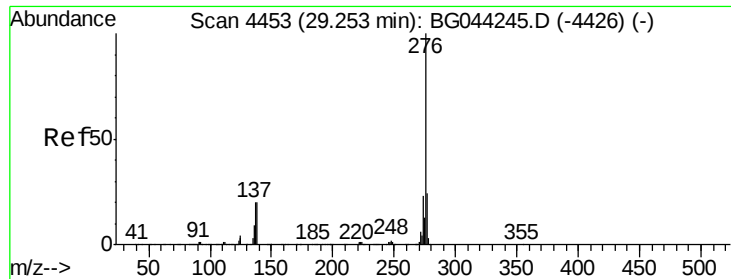
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#90
Benzo(a)pyrene
Concen: 7.216 ng
RT: 24.46 min Scan# 3637
Delta R.T. 0.01 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.1	27.1
125	11.9	8.6	13.0





#92
 Benzo(a,h,i)perylene
 Concen: 5.139 ng
 RT: 29.17 min Scan# 4440
 Delta R.T. -0.00 min
 Lab File: BG044473.D
 Acq: 18 Feb 2020 15:23

Instrument :
 BNA_G
 ClientSampleId :
 43ST-B

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	26.2	18.8	28.2
138	24.4	16.2	24.2

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